

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P385316

Luminaire Tested: **22ID-55-L840-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-55-L840-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

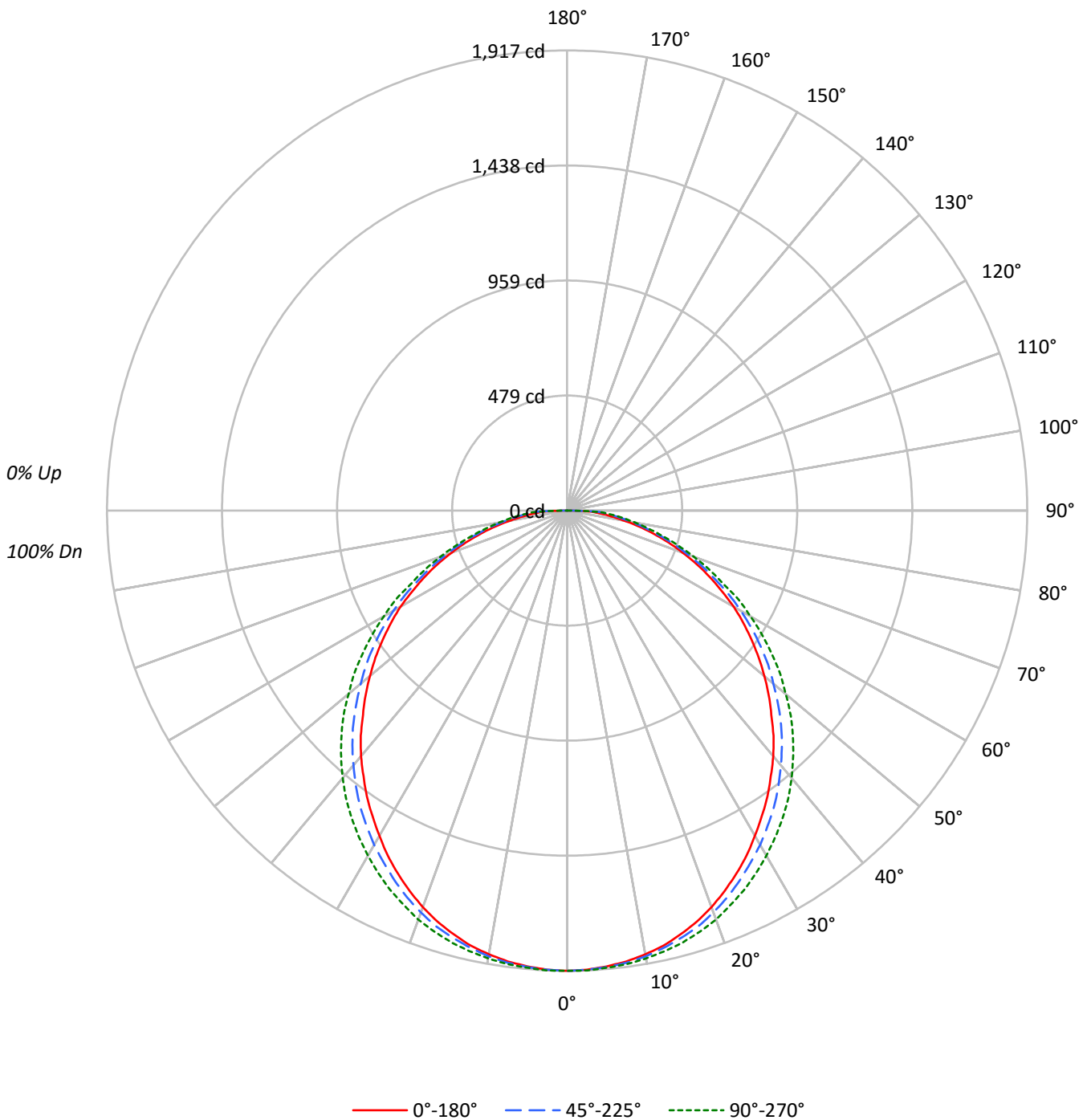
Lumens per Lamp: N/A
Luminaire Lumens: 5560.9 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 46.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5159	5159	5159
5°	5111	5103	5126
10°	5054	5047	5101
15°	4980	4975	5075
20°	4887	4892	5040
25°	4769	4786	4984
30°	4638	4678	4921
35°	4515	4564	4856
40°	4386	4428	4776
45°	4226	4292	4673
50°	4086	4119	4526
55°	3928	3948	4365
60°	3767	3735	4148
65°	3546	3469	3859
70°	3277	3180	3592
75°	2958	2861	3279
80°	2526	2525	3013
85°	2149	2282	2881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.4	3.3
10°-20°	519.9	9.3
20°-30°	784.5	14.1
30°-40°	941.7	16.9
40°-50°	974.5	17.5
50°-60°	882.9	15.9
60°-70°	680.2	12.2
70°-80°	420.9	7.6
80°-90°	174.8	3.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1485.8	26.7
0°-40°	2427.5	43.7
0°-60°	4284.9	77.1
0°-90°	5560.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5560.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1906	1906	1909	1909	1912	181
15°	1828	1830	1842	1854	1862	515
25°	1669	1674	1700	1729	1744	769
35°	1455	1466	1504	1544	1564	909
45°	1203	1220	1261	1307	1330	930
55°	937	951	983	1027	1041	839
65°	656	662	682	711	714	649
75°	373	382	396	414	414	395
85°	136	150	174	185	182	147
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1917.3	1917.3	1917.3	1917.3	1917.3
2.5°	1914.4	1914.4	1914.4	1914.4	1917.3
5°	1905.7	1905.7	1908.6	1908.6	1911.5
7.5°	1894.2	1894.2	1899.9	1899.9	1905.7
10°	1876.8	1879.7	1885.5	1888.4	1894.2
12.5°	1856.6	1856.6	1865.2	1873.9	1879.7
15°	1827.6	1830.5	1842.1	1853.7	1862.3
17.5°	1795.8	1798.7	1816.1	1827.6	1839.2
20°	1758.2	1761.1	1781.4	1798.7	1813.2
22.5°	1714.9	1720.6	1743.8	1766.9	1778.5
25°	1668.6	1674.4	1700.4	1729.3	1743.8
27.5°	1619.4	1628.1	1654.1	1685.9	1703.3
30°	1564.5	1576.0	1607.9	1642.6	1659.9
32.5°	1509.5	1521.1	1555.8	1596.3	1613.6
35°	1454.6	1466.2	1503.8	1544.2	1564.5
37.5°	1393.9	1405.4	1445.9	1489.3	1512.4
40°	1336.0	1347.6	1385.2	1434.3	1454.6
42.5°	1272.4	1284.0	1324.5	1370.7	1393.9
45°	1203.0	1220.4	1260.8	1307.1	1330.2
47.5°	1139.4	1153.8	1191.4	1240.6	1263.7
50°	1072.9	1087.3	1122.0	1171.2	1188.5
52.5°	1006.4	1020.8	1055.5	1101.8	1119.1
55°	937.0	951.4	983.2	1026.6	1041.1
57.5°	870.4	882.0	910.9	951.4	963.0
60°	801.0	812.6	835.7	873.3	882.0
62.5°	725.9	734.5	760.6	795.3	806.8
65°	656.4	662.2	682.5	711.4	714.3
67.5°	584.2	589.9	610.2	630.4	639.1
70°	511.9	520.5	535.0	555.2	561.0
72.5°	442.5	451.1	465.6	482.9	485.8
75°	373.0	381.7	396.2	413.5	413.5
77.5°	306.5	315.2	332.6	347.0	347.0
80°	240.0	254.5	271.8	286.3	286.3
82.5°	185.1	196.6	219.8	231.3	231.3
85°	135.9	150.4	173.5	185.1	182.2
87.5°	98.3	112.8	133.0	141.7	138.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)